

Zc3900 mass and width from pingrg:

mass = 3897.6 MeV

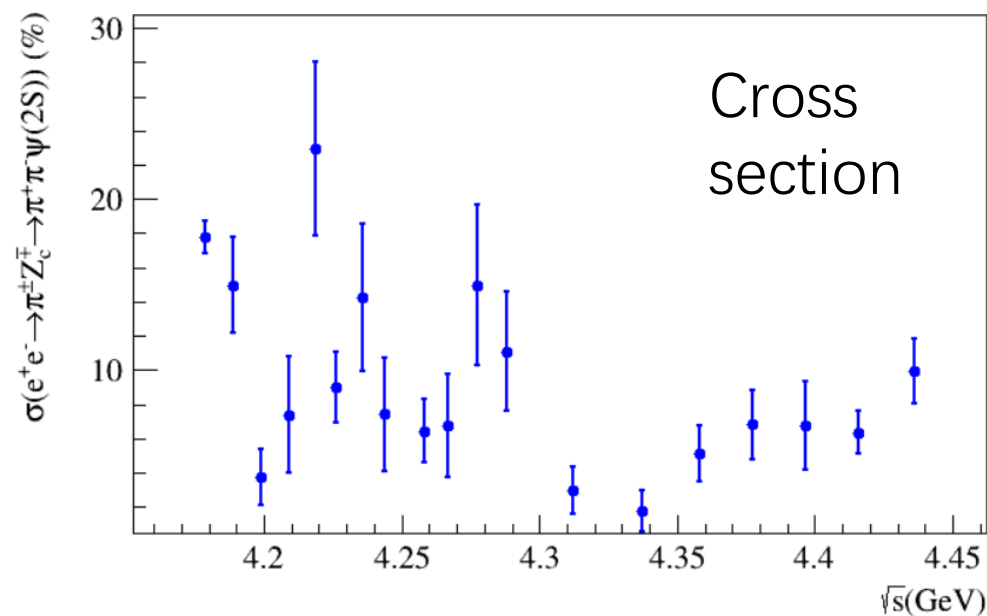
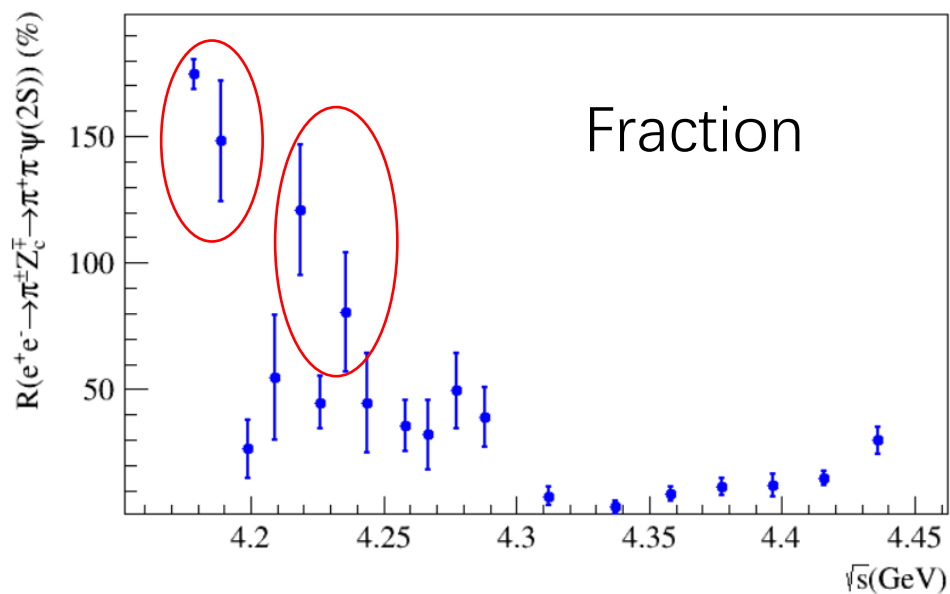
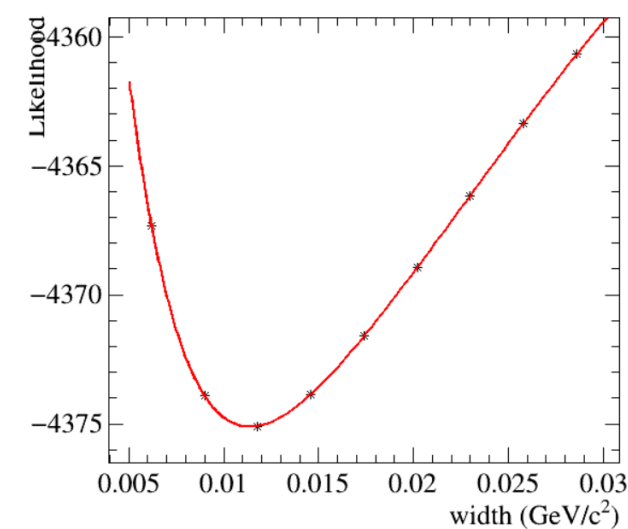
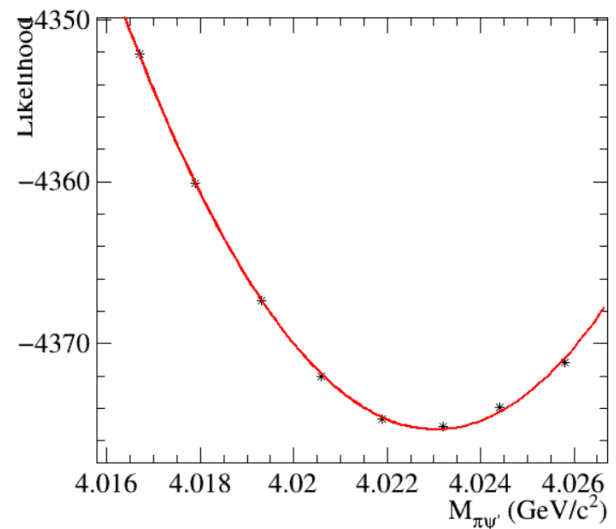
width = 43.5 MeV

Zc4020 mass and width from this work:

mass = 4023.0 +/- 0.9

width = 11.4 +/- 1.8

Zc3900+Zc4020
+F0500F0980

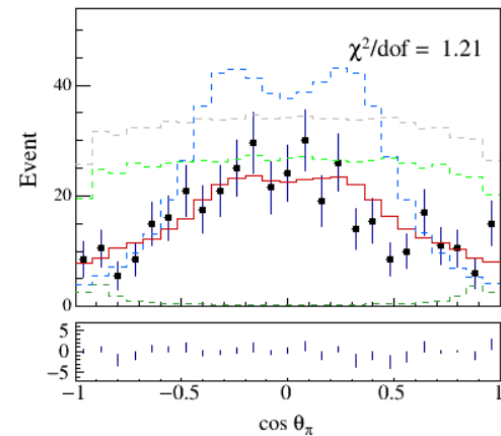
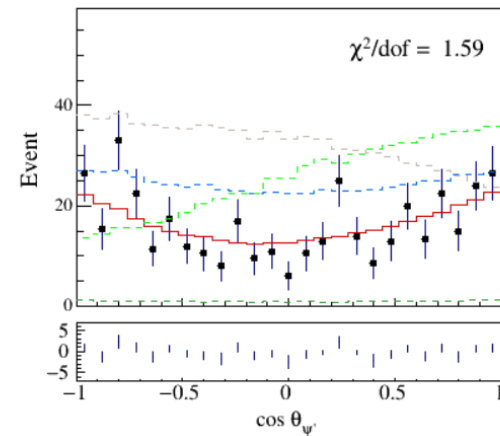
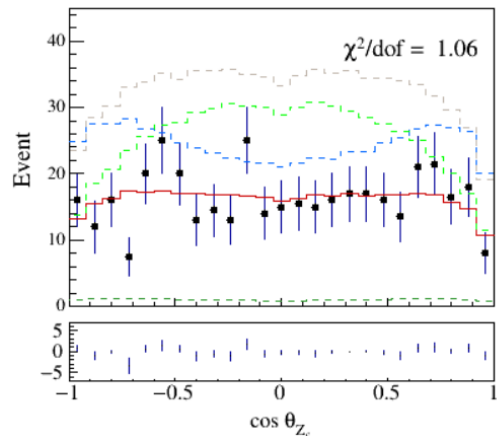
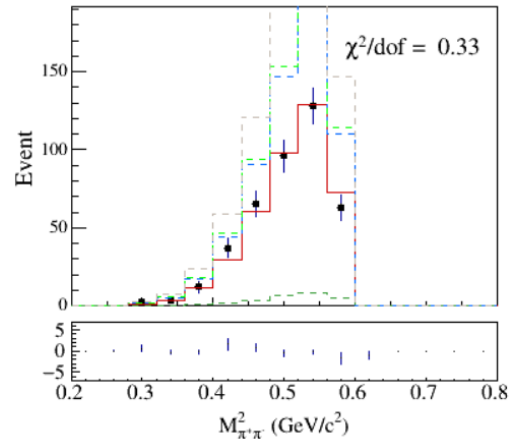
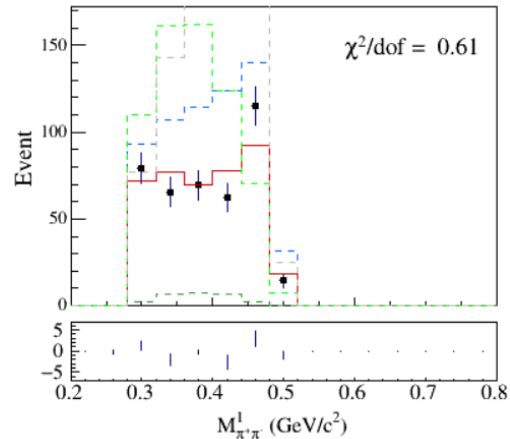
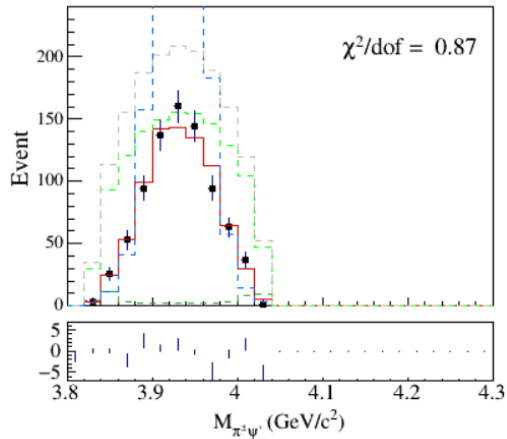


4180	174.44	+/-	6.11
4190	148.31	+/-	23.83
4200	26.45	+/-	11.42
4210	54.57	+/-	24.80
4220	120.88	+/-	25.65
4230	44.89	+/-	10.13
4237	80.42	+/-	23.43
4246	44.77	+/-	19.68
4260	35.66	+/-	10.10
4270	32.02	+/-	13.94
4280	49.48	+/-	14.75
4290	39.02	+/-	12.00
4315	7.84	+/-	3.64
4340	3.44	+/-	2.36
4360	8.86	+/-	2.83
4380	11.49	+/-	3.40
4400	12.03	+/-	4.51
4420	14.93	+/-	2.79
4440	29.83	+/-	5.42

@4180:

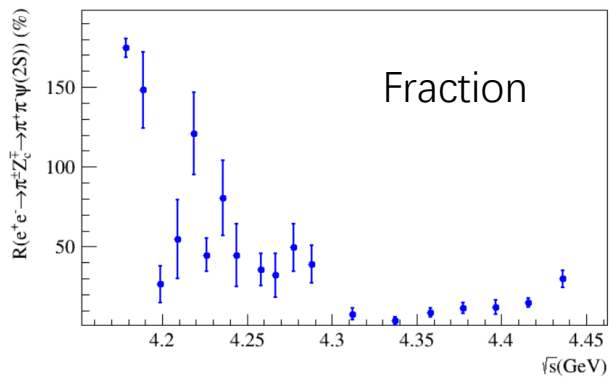
Great interference exists between Zc3900 and F0

	#pi Zc(3900)	#pi Zc(4020)	f_{0}(500) #psi'	f_{0}(980) #psi'
#pi Zc(3900)		1.5	0.178	0.207
#pi Zc(4020)			0.063	-0.0616
f_{0}(500) #psi'				1.56
f_{0}(980) #psi'				
				2

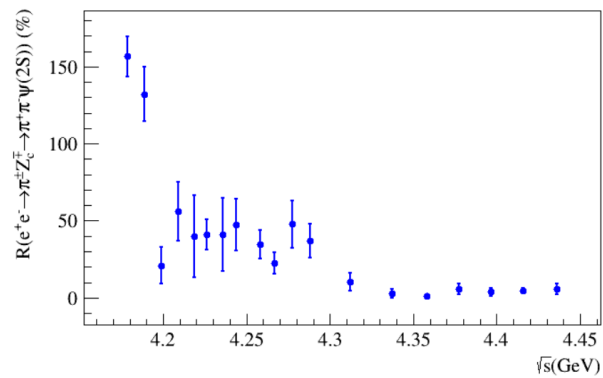


	F0980 Significance	
	Over Zc3900+F0500	Over Zc3900+Zc4020+F0500
4180	6.5	6.2
4190	3.5	3.4
4200	3.6	2.9
4210	1.1	0.8
4220	1.9	0.7
4230	3.2	1.3
4237	1.8	1.9
4246	2.2	2.1
4260	5.5	4.9

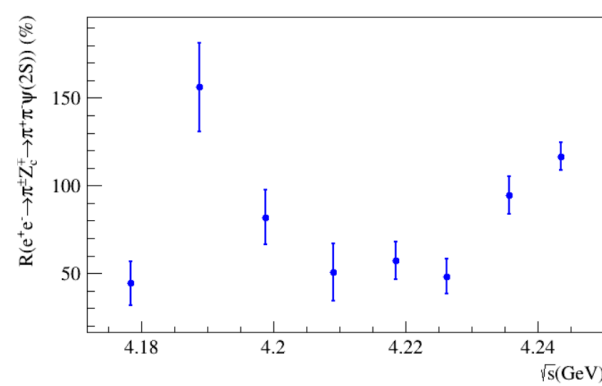
Zc3900+Zc4020
+F0500F0980



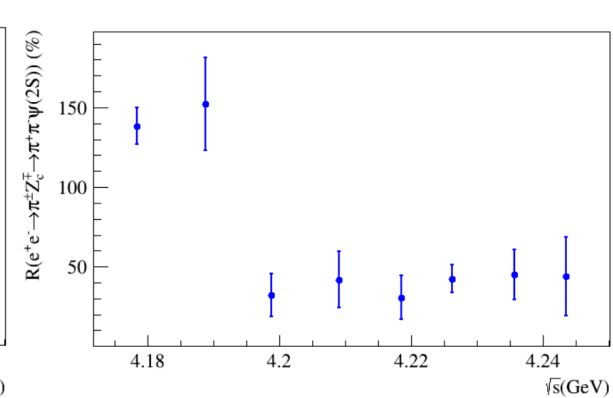
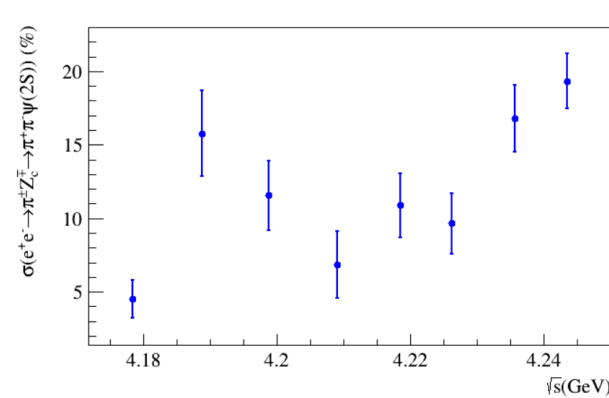
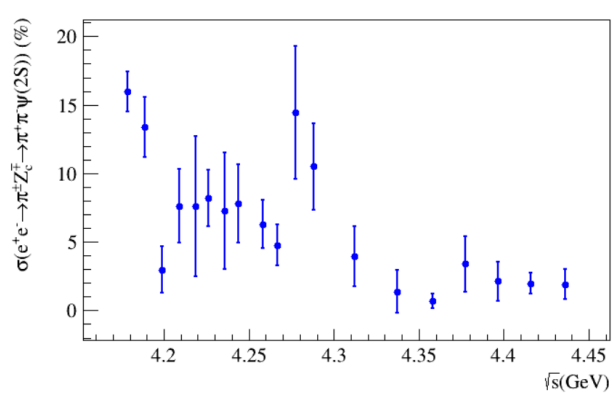
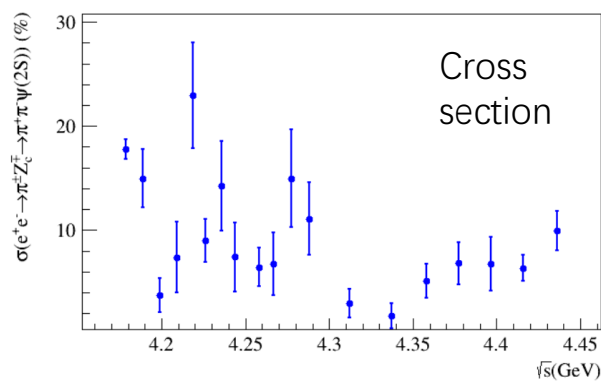
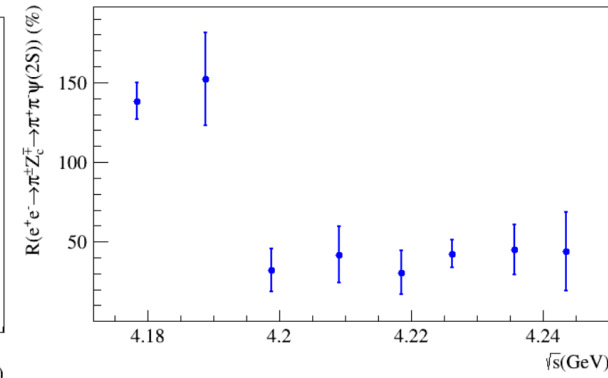
Zc3900+
F0500F0980



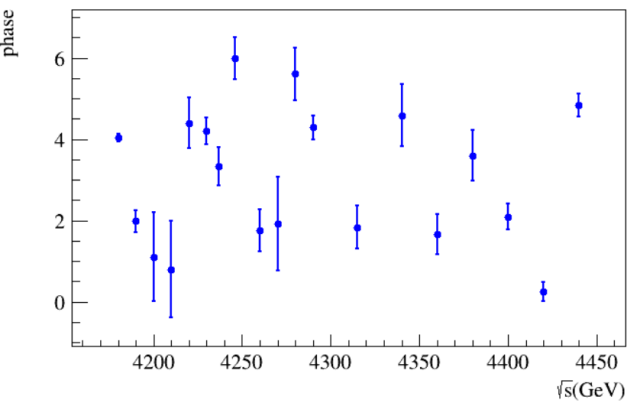
Zc3900+Zc4020
+F0500



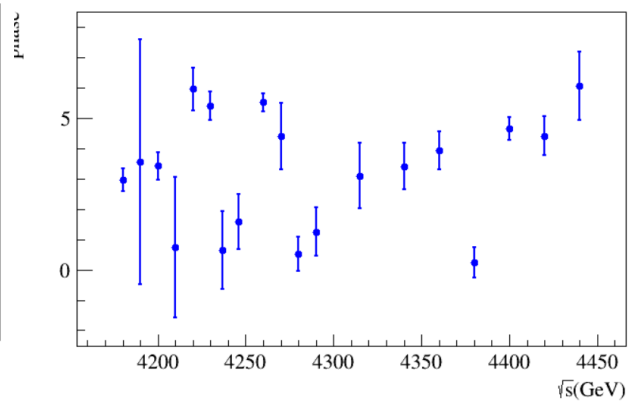
Zc3900+
F0500



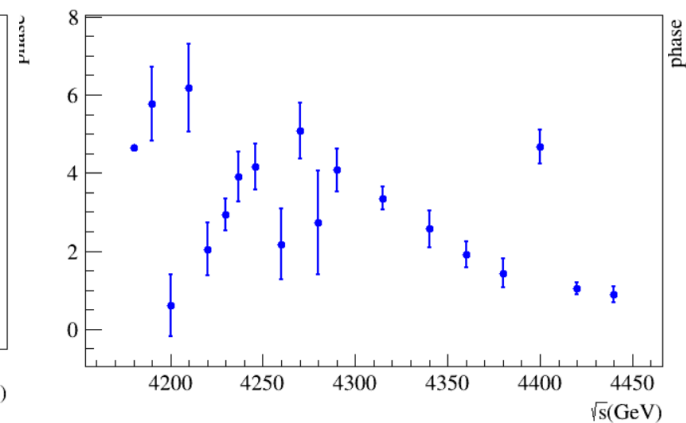
Zc3900_para1_phase



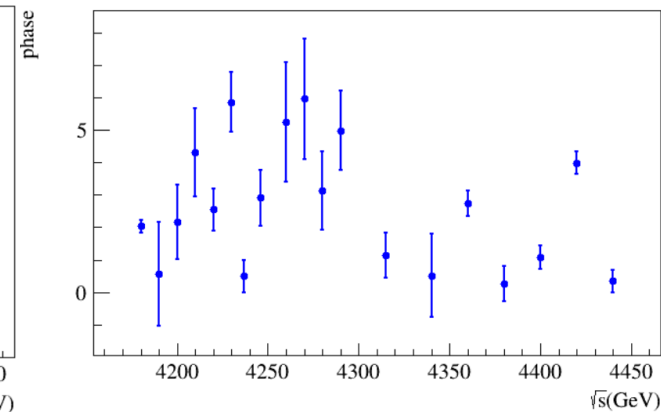
Zc3900_para1_phase



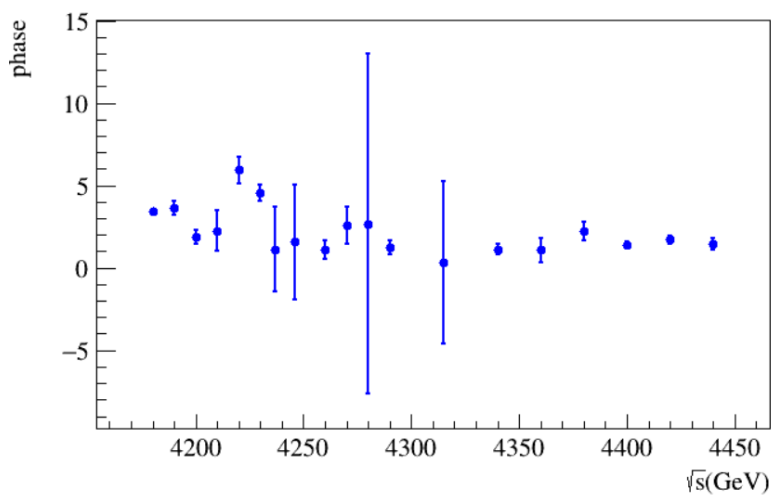
Zc4020_para1_phase



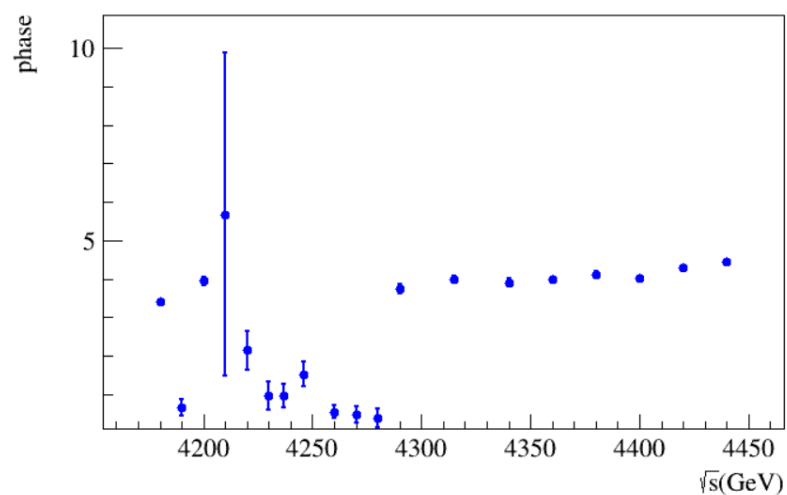
Zc4020_para1_phase



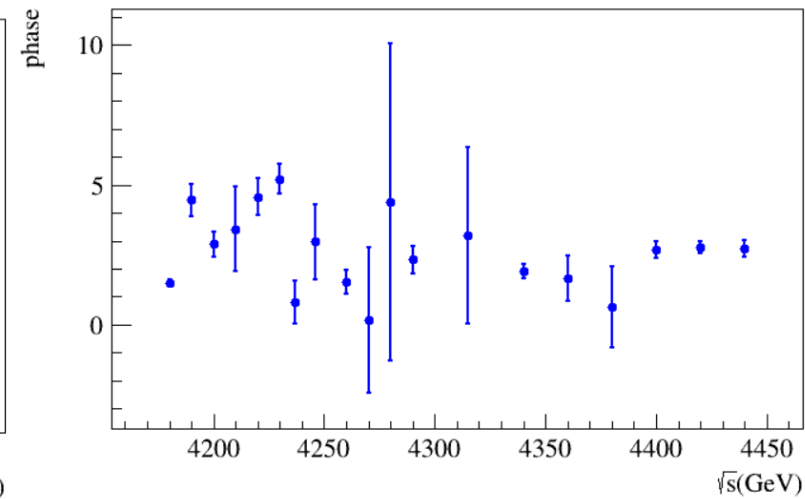
f0500_para2_phase



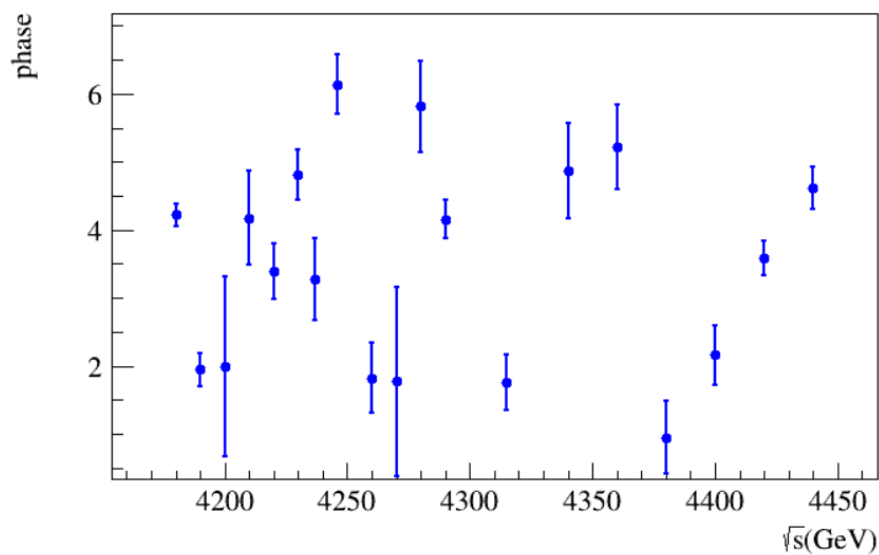
f0980_para1_phase



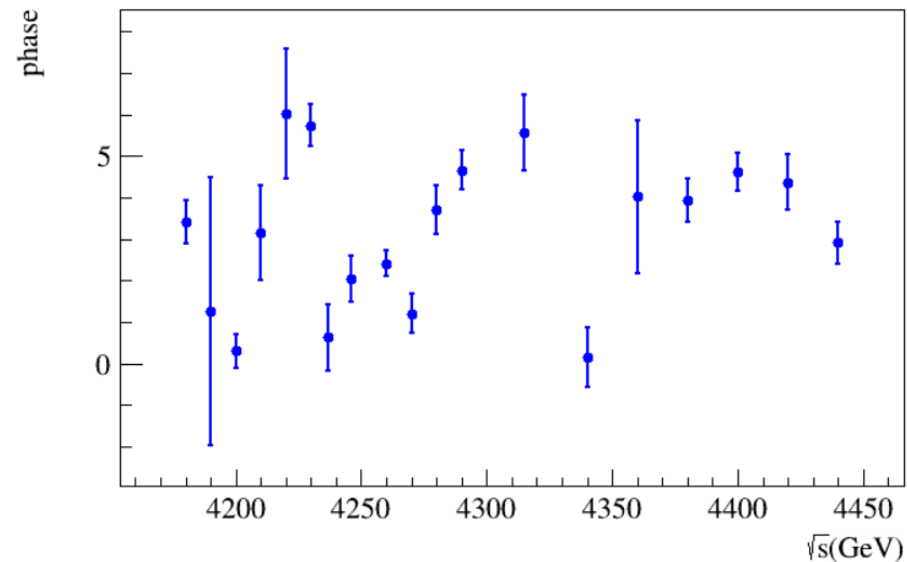
f0980_para2_phase



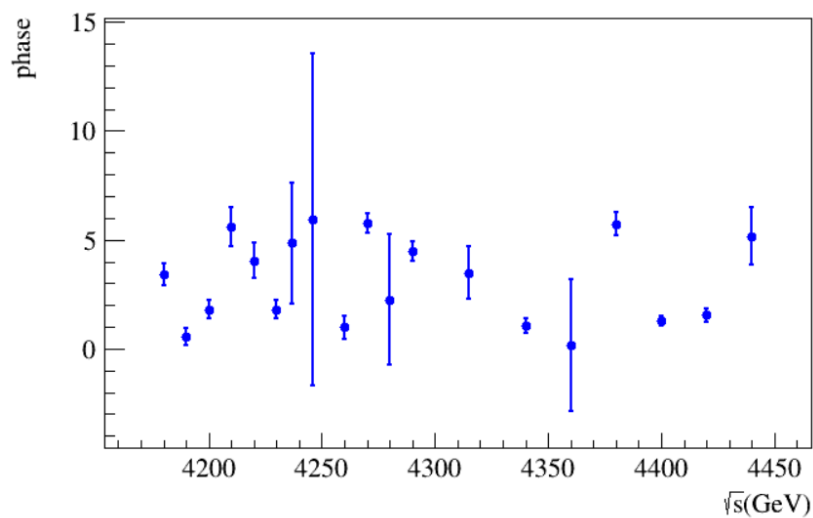
Zc3900_para1_phase



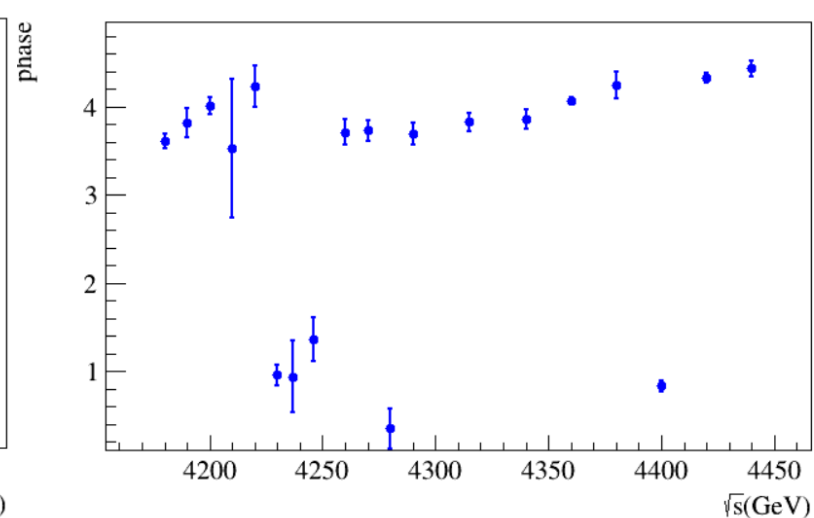
Zc3900_para1_phase



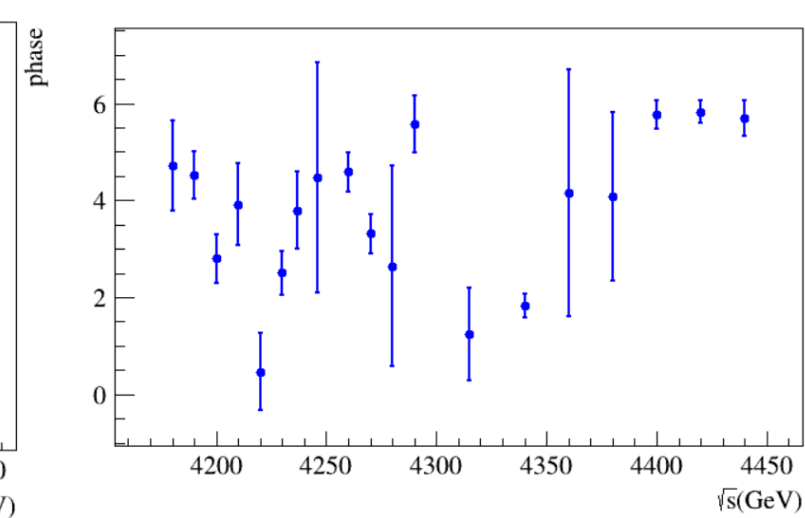
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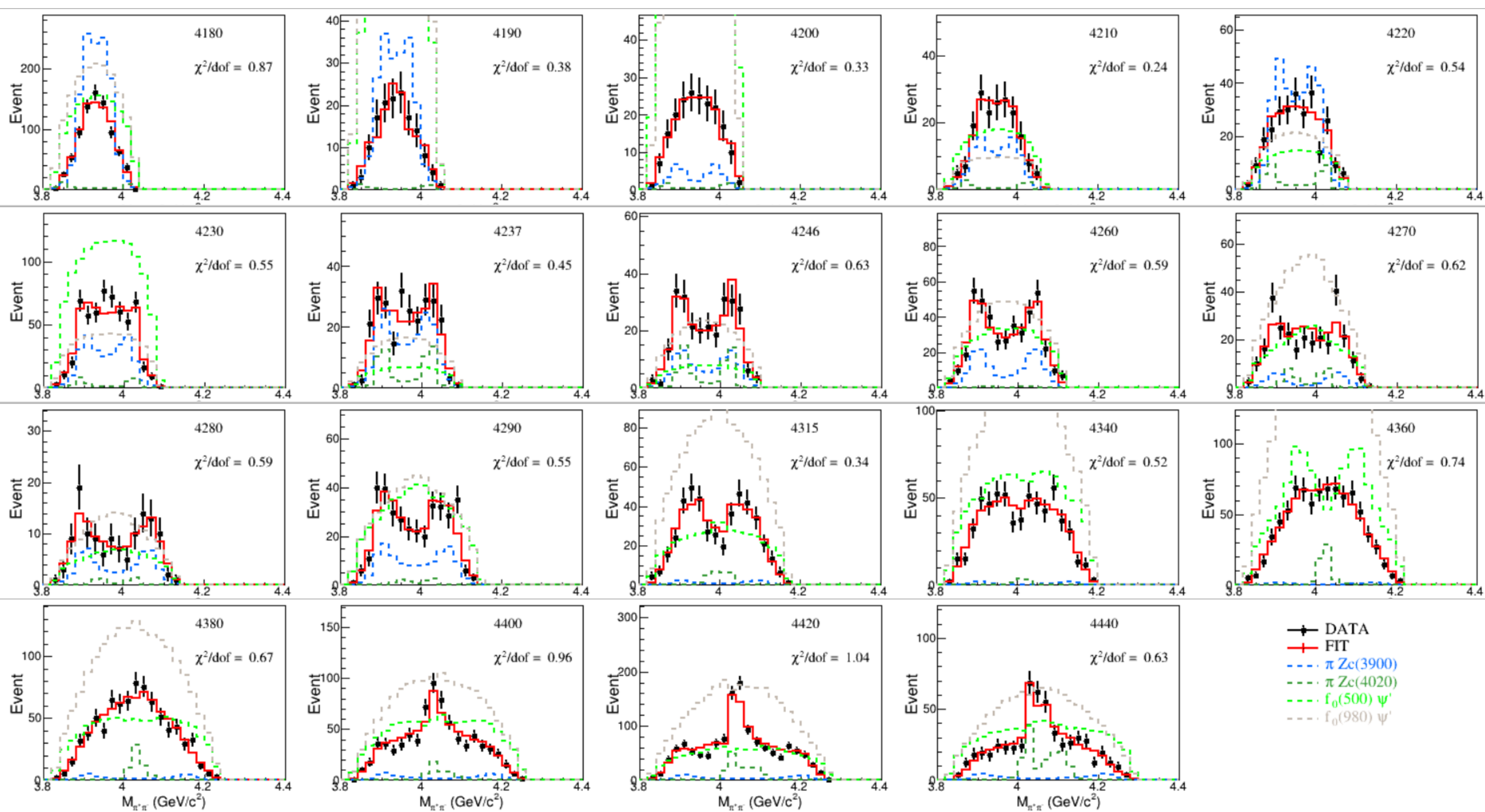


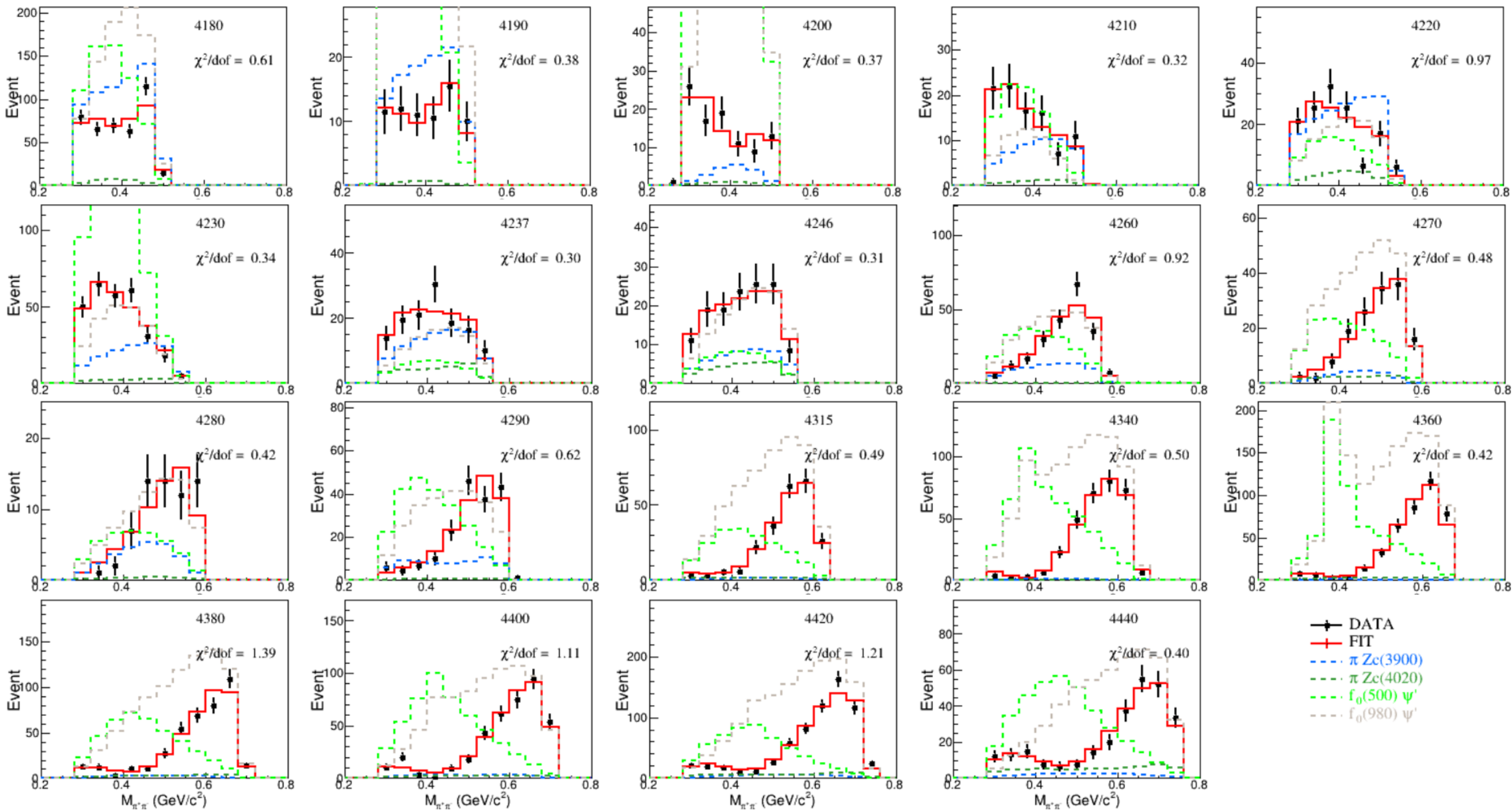
f0980_para1_phase

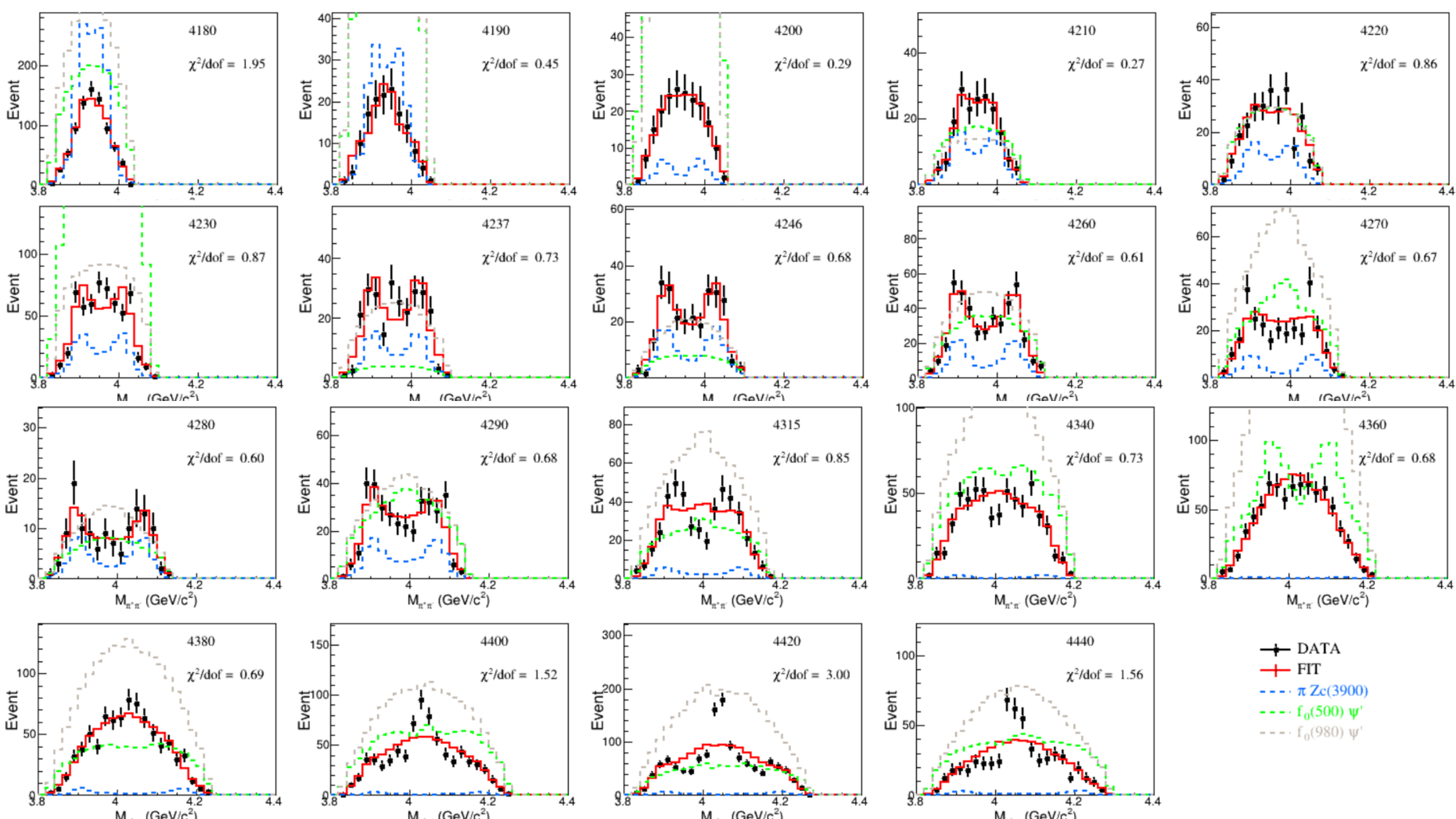


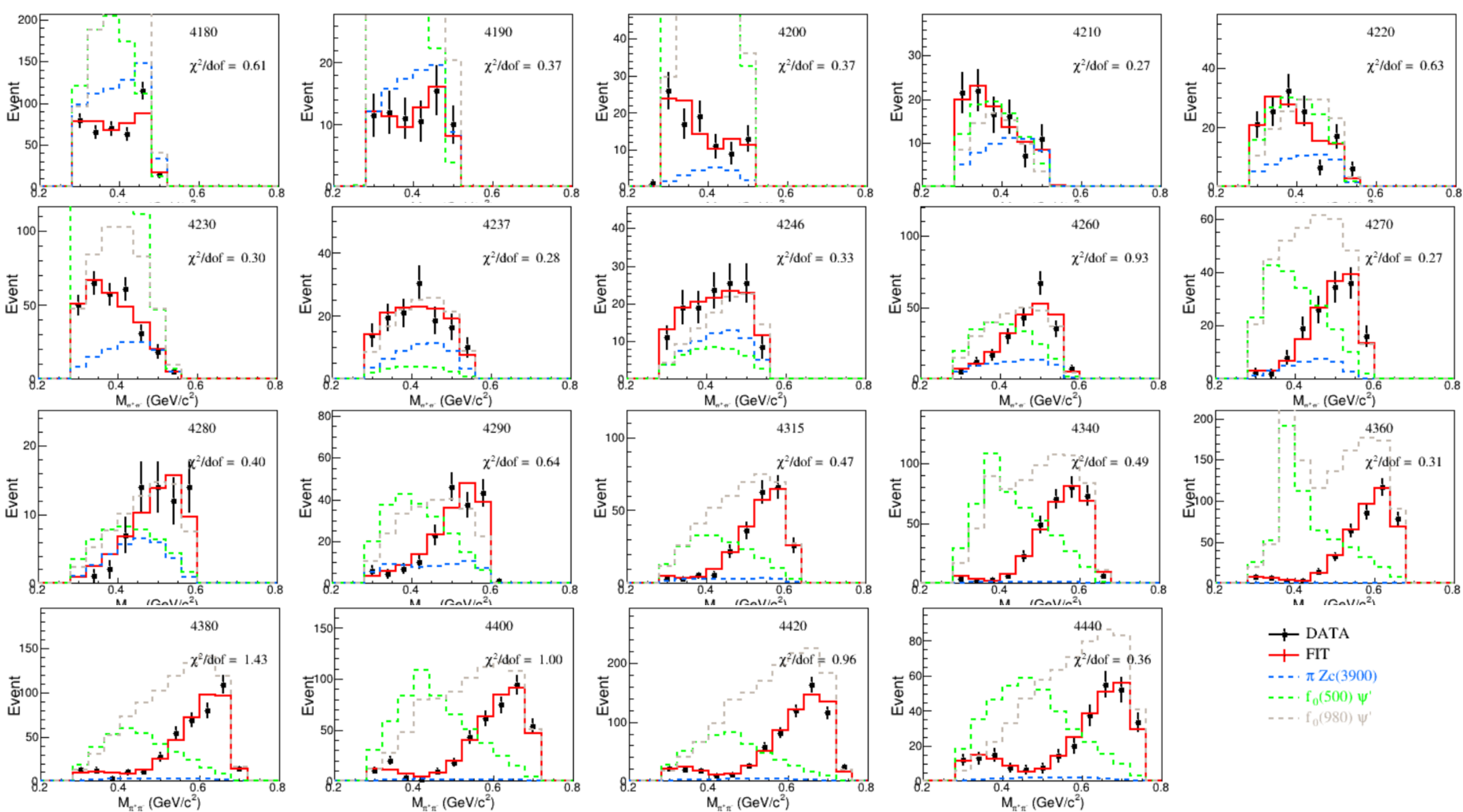
f0980_para2_phase

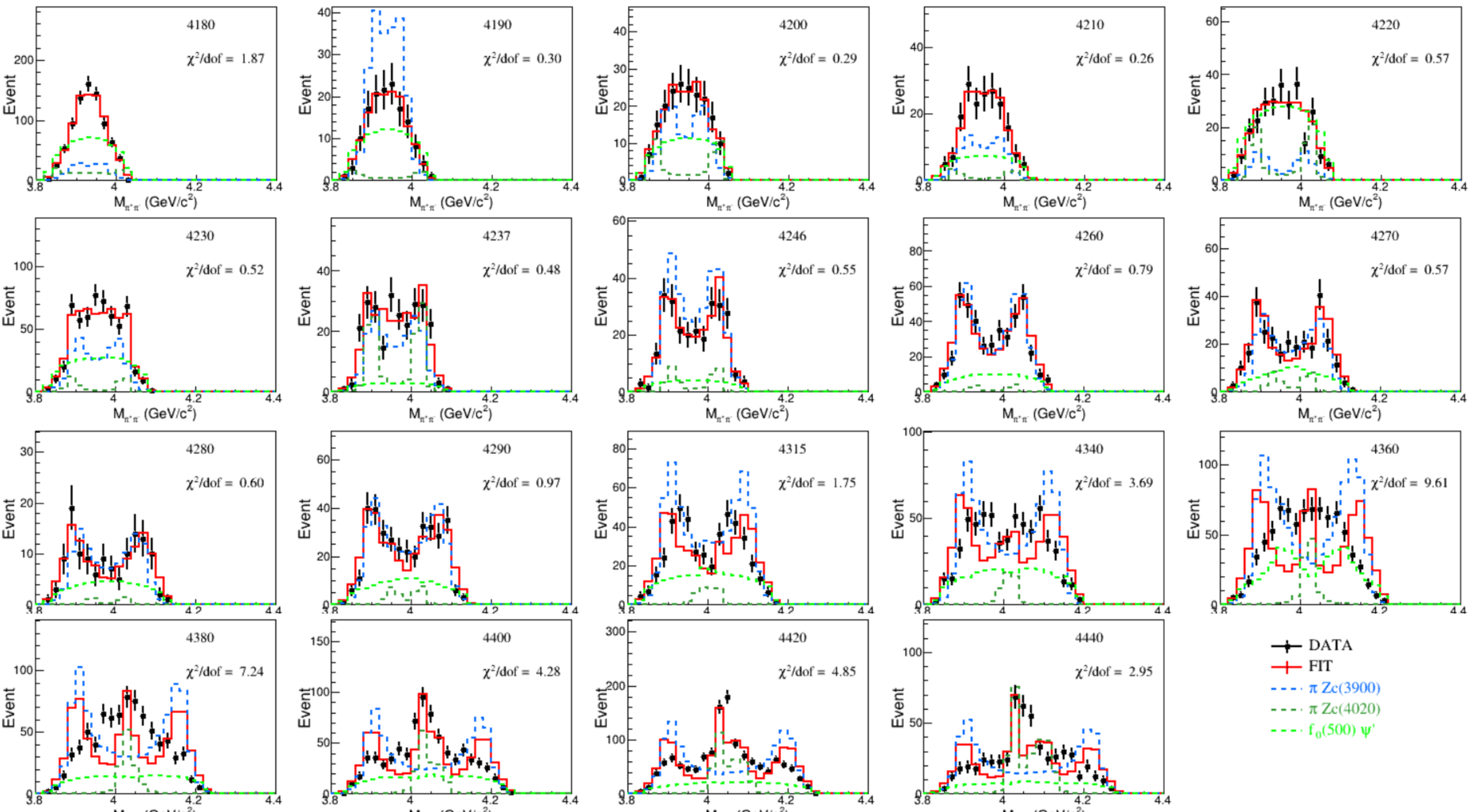


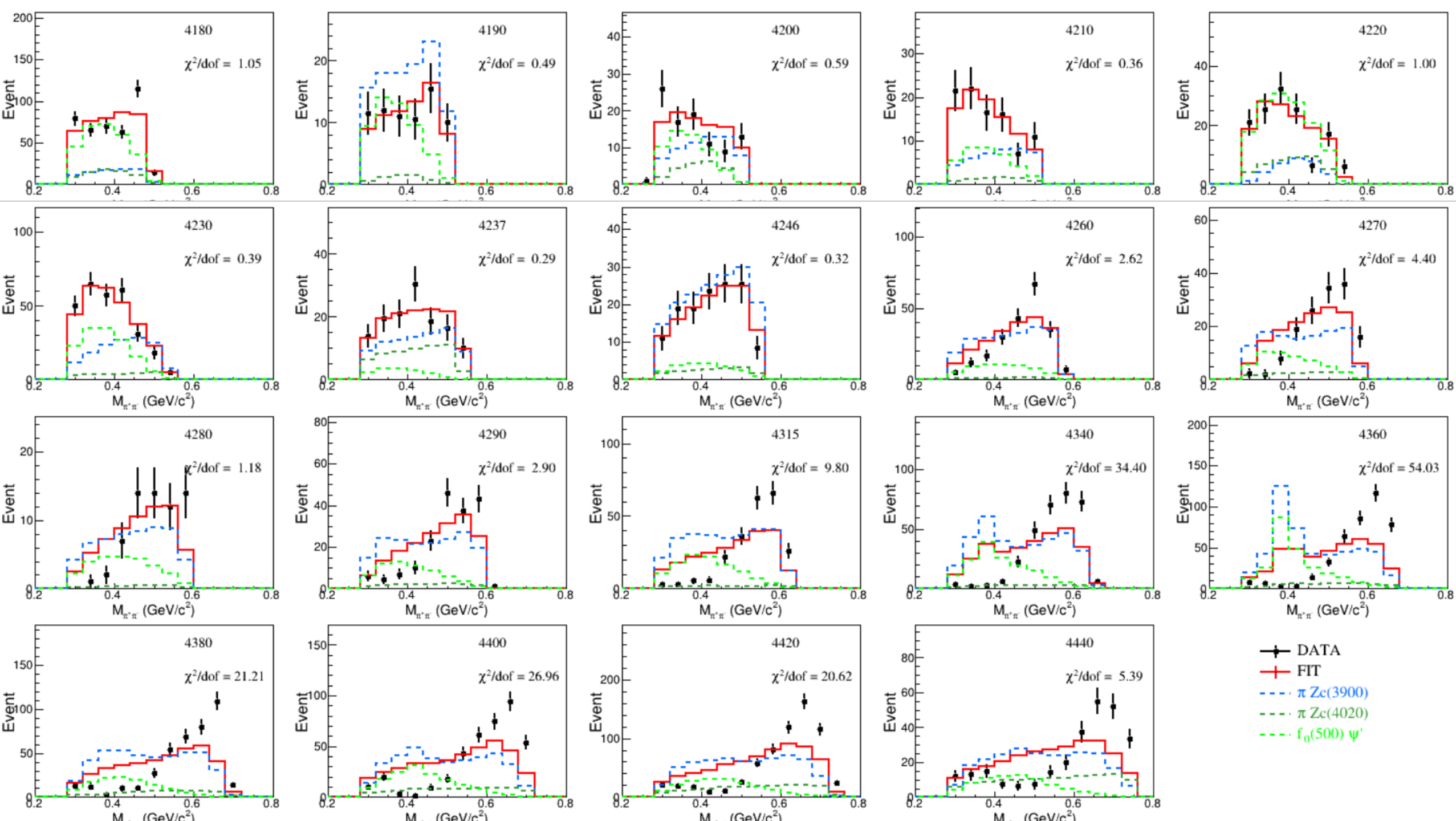












Zc3900 mass and width from this work:
mass = 3894.3 ± 2.1 MeV
width = 21.0 ± 2.7 MeV

Zc4020 mass and width from this work:
mass = 4022.2 ± 1.0
width = 11.1 ± 1.7

